APPLICATION FOR
UNITED STATES PATENT

In the name of

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for

SPEECH RECOGNITION FRAMEWORK

Appendix A

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// CFG for Alpha1 on 23rd June 2000.
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// This sample grammar enables the speech engine to
recognize commands
// such as the following:
//
//1. "Open Notepad" --> returns: "100" and "Notepad".
//2. "Maximize"          --> returns: "202" and "".
//3. "Send e-mail to Russ" --> returns: "303" and "Russ".
NB: 303=300+3.
//4. "Share view one"    --> returns: "401" and "view1".
//5. "Make a conference call to Rao"  --> returns: "506"
and "Rao".
//        make a video call to Rao
//        call up the conference center
//6. "Show me the model/data"  --> returns: "602/3" and
"show".
                "Display chart"
//7. "Exit Notepad" --> returns: "904" and "Notepad".

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// The only parse string rule. This is where everything
is controlled from.

[<Start>]
```

<Start> = [opt] (Computer) (OpenCommand) (Program) [opt] (JunkEnd)

<Start> = [opt] (Computer) (Mail) (emailFriend) [opt] (JunkEnd)

<Start> = [opt] (Computer) (openMail) [opt] (JunkEnd)

<Start> = [opt] (Computer) (show) (View) [opt] (JunkEnd)

<Start> = [opt] (Computer) (Single_video_call) (ComputerName) [opt] (JunkEnd)

//<Start> = [opt] (Computer) [opt] (OpenCommand) (Video_conference) (ComputerName) [opt]

// (ComputerName) and (ComputerName) [opt] (JunkEnd)

<Start> = [opt] (Computer) (Terminate_call) [opt] (JunkEnd)

<Start> = [opt] (Computer) (share) (Running_Application) [opt] (JunkEnd)

//----------

[(Computer)]

= please

= computer[opt] please

= [opt] computer can you [opt] please

= [opt] computer would you [opt] please

= [opt] computer could you [opt] please

= [opt] computer will you [opt] please

```
[(OpenCommand)]
100=start
100=run
100=launch
100=open

[(Program)]
1=[opt] Microsoft Word "winword"
1=a Word document "winword"
2=[opt] Microsoft Excel "excel"
2=an Excel document "excel"
3=Explorer "explorer"
4=Notepad "Notepad"

[(Mail)]
300= [opt] Begin [opt] a new email to
300= [opt] Send [opt] a message to
300= [opt] Compose [opt] a new Message to
300= Send mail to
300= Send [opt] an email to
300= Start [opt] an email to
300= Compose [opt] an email to

// 350 open alert mail (in response to a prompt)
[(OpenMail)]
350= show email
350= open message
```

350= display the [opt] email message

350= show the [opt]email message

//[(Video_conference)]

//400= a conference with

//400= a video conference with

[(Single_video_call)]

500= [opt] start [opt] make [opt] a video call to

500= start a video conference with

500= call

500= get

[(Show)]

600=show [opt] me [opt] the

600=display [opt] the

600=bring up [opt] the

600=open [opt] the

600=switch [opt] me to [opt] the

600=I want to see the

600=go to the

[(Terminate_call)]

700 = hangup [opt] netmeeting

700 = terminate [opt] the call

700 = end [opt] the call

```
700 = end [opt] the conference
700 = close netmeeting
700 = close [opt] the conference

[(Share)]
800= share [opt] the


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//
[(emailFriend)]
= Steve [opt] Jones "Steve Jones"
= Sam [opt] Daniels "Sam Daniels"
= Kim [opt] Thomas "Kim Thomas"
= Mike [opt] Price "Mike Price"

[(ComputerName)]
1=Steve [opt] Jones "Steve"
2=Sam [opt] Daniels "Sam"
3=Kim [opt] Thomas "Kim"
4=Mike [opt] Price "Mike"

[(View)]
1=product view "product.one"
2=sales view   "sales.one"
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3=analysis view "channel.one"
4=default view "personal.one"
5=personal view "personal.one"
6= market view "market.one"
40=product model "gamma3001w.co"

[(Running_Application)]
1= desktop "desktop"
2= product model "gamma3001"
3= cycore model "gamma3001"


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// Using numeric-IDs in the 10-thousands, so as to avoid
posible conflicts
//[(DisplayLocation)]
//10000= on (screen) one
//10000= on main (screen)
//20000= on (screen) two
//20000= on bottom (screen)
//30000= on (screen) three
//30000= on left (screen)
//40000= on (screen) four
//40000= on right (screen)
```

```
//[(screen)] //used as a helper rule for DisplayLocation
//=screen
//=monitor
//=area
//=display
```